

10/533858

(12) INTERNATIONAL PUBLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/041257 A3

(51) International Patent Classification⁷: **A61K 31/353**,
31/16, 31/20, 31/385, 31/575, 31/12, A61P 3/04, 3/10,
A23L 1/30

(21) International Application Number:
PCT/EP2003/010838

(22) International Filing Date:
30 September 2003 (30.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02024804.3 7 November 2002 (07.11.2002) EP

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
5 August 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL NUTRACEUTICAL COMPOSITIONS COMPRISING EPIGALLOCATECHIN GALLATE

(57) Abstract: The invention relates to nutraceutical compositions comprising at least two ingredients from the groups of EGCG, pantethine or a metabolite thereof, phytanic acid, lipoic acid, policosanol and coenzyme Q-10 and their use in the treatment or prevention of diabetes or obesity.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/10838

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/353 A61K31/16 A61K31/20 A61K31/385 A61K31/575
A61K31/12 A61P3/04 A61P3/10 A23L1/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, WPI Data, PAJ, BIOSIS, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 976 568 A (RILEY PATRICIA A) 2 November 1999 (1999-11-02) column 6, line 63 - column 7, line 1; table II	1-27
X	WO 02/076436 A (MEIJER JAAP) 3 October 2002 (2002-10-03) page 5, lines 4-6; examples 1-3,6,7	1-26
X	US 2002/132219 A1 (MCCLEARY LARRY) 19 September 2002 (2002-09-19) paragraphs '0005!, '0006!	1-26
X	US 2002/155163 A1 (BENJAMIN SAMUEL D ET AL) 24 October 2002 (2002-10-24) paragraphs '0018!, '0023!	1-20, 22-27
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

13 May 2004

Date of mailing of the international search report

01/06/2004

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/10838

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/32168 A (JUVENON INC) 10 May 2001 (2001-05-10) page 16, lines 9-20 -----	1-20,27
Y	WO 02/072086 A (CONSORZIO PER GLI STUDI UNI ;SUZUKI HISANORI (IT)) 19 September 2002 (2002-09-19) claim 3 -----	1-27
Y	EP 1 177 789 A (ROCHE VITAMINS AG) 6 February 2002 (2002-02-06) claim 1 -----	1-27
Y	RETT K ET AL: "'Lipoic acid acutely ameliorates insulin sensitivity in obese subjects with type 2 diabetes!. ALPHA-LIPONSAURE (THIOCTSAURE) STEIGERT DIE INSULINEMPFLINDLICHKEIT UBERGEWICHTIGER PATIENTEN MIT TYP-II-DIABETES" DIABETES AND STOFFWECHSEL, KIRCHHEIM, DE, vol. 5, no. SUPPL 3, 1996, pages 59-63, XP002113908 ISSN: 0942-0037 abstract -----	1-27
Y	MCCARTY M F: "TOWARD PRACTICAL PREVENTION OF TYPE 2 DIABETES" MEDICAL HYPOTHESES, EDEN PRESS, PENRITH, US, vol. 54, no. 5, May 2000 (2000-05), pages 786-793, XP001019681 ISSN: 0306-9877 page Y -----	1-27
Y	MCCARTY M F: "Hepatothermic therapy of obesity: Rationale and an inventory of resources" MEDICAL HYPOTHESES 2001 UNITED KINGDOM, vol. 57, no. 3, 2001, pages 324-336, XP009030758 ISSN: 0306-9877 p. 331, left col., last paragraph abstract -----	1-27
E	WO 2004/017766 A (EGGERSDORFER MANFRED LUDWIG ;TEIXEIRA SANDRA RENATA (CH); WEBER PE) 4 March 2004 (2004-03-04) the whole document -----	1-27

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/10838

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT – Method for treatment of the human or animal body by therapy Although claim 27 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/10838

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